
Product Data Sheet

Product Name: 3-O-Acetylbufotalin

Cat. No.: GC35117

Chemical Properties

Cas. No. 4029-69-0

SMILES C[C@@]12[C@@H](C(C=C3)=COC3=O)[C@@H](OC(C)=O)C[C@@]1([C@@]4([H])[C@]([C@@]5([C@](C[C@@H](OC(C)=O)CC5)([H])CC4)C)([H])CC2)O

Formula C₂₈H₃₈O₇ M.Wt 486.6

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

3-O-Acetylbufotalin is a derivate of bufadienolide, with anti-cancer activity[1].

3-O-Acetylbufotalin (2b) inhibits the growth of six human cancer cell lines, with a mean IC50 of 159 nM[1].

[1]. Moreno Y Banuls L, et al. Structure-activity relationship analysis of bufadienolide-induced in vitro growth inhibitory effects on mouse and human cancer cells.

Caution: Product has not been fully validated for medical applications. For research use only.

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